Application Serial Number 10/522046 Response to Office Action dated 9/24/2007

## Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

## **Listing of Claims:**

A glass for laser processing that can be laser-processed by causing 1. (Currently amended) ablation or evaporation by laser beam energy absorbed therein,

wherein the glass for laser processing has a composition that comprises

at least one selected from the group consisting of SiO2 and B2O3 as a network forming oxide,

at least one selected from the group consisting of Al<sub>2</sub>O<sub>3</sub> and TiO<sub>2</sub> as a intermediate oxide, and

at least one selected from the group consisting of Li<sub>2</sub>O, Na<sub>2</sub>O, K<sub>2</sub>O, Rb<sub>2</sub>O, Cs<sub>2</sub>O, MgO, CaO, SrO and BaO as a modifier oxide,

satisfies the following conditions:

 $60 \le SiO_2 + B_2O_3 \le 79 \text{ mol}\%;$ 

 $510 \le Al_2O_3 + TiO_2 \le 20 \text{ mol}\%$ ; and

 $5 \le \text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{Rb}_2\text{O} + \text{Cs}_2\text{O} + \text{MgO} + \text{CaO} + \text{SrO} + \text{BaO} \le 20 \text{ mol}\%$ 

where  $5\underline{10} \le \text{TiO}_2 \le 20 \text{ mol}\%$  and  $\underline{10 \text{ mol}\%} \le \text{Na}_2\text{O}$ ,

the composition is substantially uniform in a direction of thickness of the glass, and the glass for laser processing has processing threshold values of 60 mW or lower at a wavelength of 266 nm and 500 mW or lower at a wavelength of 355 nm, where the processing threshold values denote energy used at the limit of causing ablation.

2. (Original) The glass for laser processing according to claim 1, wherein the composition satisfies the following condition:

 $(Al_2O_3 + TiO_2) / (Li_2O + Na_2O + K_2O + Rb_2O + Cs_2O + MgO + CaO + SrO + BaO) \le$ 0.9.

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3. (Original) The glass for laser processing according to claim 1, wherein the composition satisfies the following conditions:

 $70 \le SiO_2 + B_2O_3 \le 79 \text{ mol}\%;$   $10 \le TiO_2 \le 15 \text{ mol}\%;$  and  $10 \le Na_2O \le 15 \text{ mol}\%.$ 

- 4. (Canceled)
- 5. (Original) The glass for laser processing according to claim 1, wherein the glass for laser processing has a thermal expansion coefficient of  $100 \times 10^{-7}$  or lower.
- 6. (Canceled)
- 7. (Canceled)
- 8. (Canceled)
- 9. (Canceled)
- 10. (Canceled)
- 11. (New) The glass for laser processing according to claim 1, wherein the composition of the glass for laser processing comprises each of SiO<sub>2</sub>, B<sub>2</sub>O<sub>3</sub>, TiO<sub>2</sub> and Na<sub>2</sub>O.
- 12. (New) A glass for laser processing according to claim 1, wherein the glass for laser processing has a composition that consists essentially of:

at least one selected from the group consisting of  ${\rm SiO_2}$  and  ${\rm B_2O_3}$  as a network forming oxide,

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at least one selected from the group consisting of  $\mathrm{Al_2O_3}$  and  $\mathrm{TiO_2}$  as a intermediate oxide, and

at least one selected from the group consisting of Li<sub>2</sub>O, Na<sub>2</sub>O, K<sub>2</sub>O, Rb<sub>2</sub>O, Cs<sub>2</sub>O, MgO, CaO, SrO and BaO as a modifier oxide.

13. (New) A laser processing method of a glass that has a composition that comprises at least one selected from the group consisting of SiO<sub>2</sub> and B<sub>2</sub>O<sub>3</sub> as a network forming oxide,

at least one selected from the group consisting of  $Al_2O_3$  and  $TiO_2$  as an intermediate oxide, and

at least one selected from the group consisting of Li<sub>2</sub>O, Na<sub>2</sub>O, K<sub>2</sub>O, Rb<sub>2</sub>O, Cs<sub>2</sub>O, MgO, CaO, SrO and BaO as a modifier oxide,

satisfies the following conditions:

 $60 \le SiO_2 + B_2O_3 \le 79 \text{ mol}\%;$ 

 $10 \le Al_2O_3 + TiO_2 \le 20$  mol%; and

 $5 \le \text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O} + \text{Rb}_2\text{O} + \text{Cs}_2\text{O} + \text{MgO} + \text{CaO} + \text{SrO} + \text{BaO} \le 20 \text{ mol}\%,$ 

where  $10 \le \text{TiO}_2 \le 20 \text{ mol}\%$  and  $10 \text{ mol}\% \le \text{Na}_2\text{O}$ ,

the composition is substantially uniform in a direction of thickness of the glass, the method comprising:

processing the glass by irradiation with a laser beam,

where the laser beam is selected from the group consisting of laser beams with wavelength of 266 nm of a Nd: YAG laser, of 355 nm of a Nd: YAG laser and of 248 nm of a KrF excimer laser.